

Status of MCD Development for Major Components

Task

- 1. Determine current status of MCD development for major over-the-side handling equipment as defined in “App. B.”**
- 2. Intended as a view of where the community is rather than a comparison of individual operators.**
- 3. Leads to the question of how to get to full compliance by 15 July 2014 as required by App. B.**

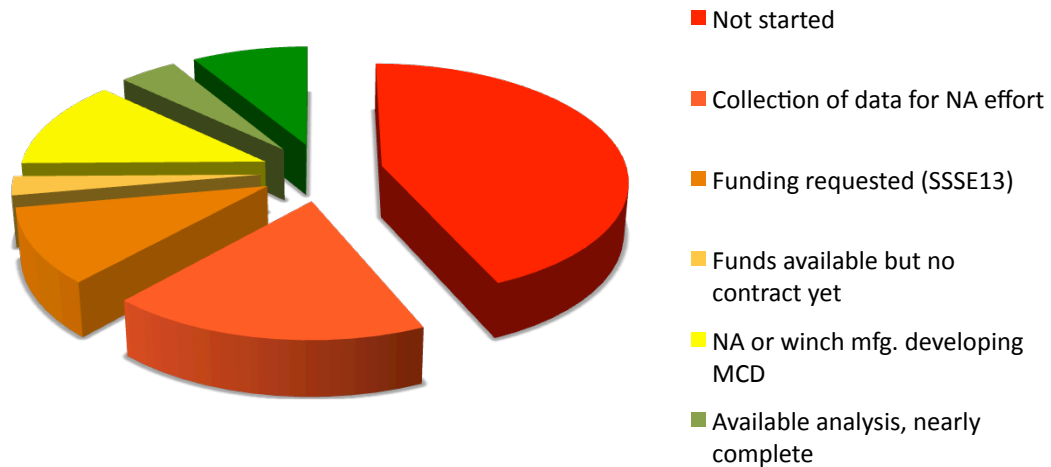
Maximum Capability Document Development Status

| | Frames | | | Winches | | | | Cranes | | | Deck Sockets | Other | Notes |
|------------------------------------|-------------------------|---------------------------------------|------------------------------|-----------------------------------|-----------------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------|-----------------|--------------------------|---------------------------------|
| | Stern A-Frame | Side Frame | Squirt Boom | Deep Sea | Hydro | CTD | CTD | | | | | | |
| MELVILLE Scripps Institution | | | | Northern Line | Northern Line | DESH-6 | DESH-5 | Pettibone | Allied Heavy | | | | |
| KNORR Woods Hole | | | | Northern Line | DESH-5 | DESH-5 | | Allied (Med.) | Allied (Trawl) | | | | |
| THOMPSON U of Washington | Main | | Starboard | DESH-9 | DESH-5 (50HP) | DESH-5 (75 HP) | | Alaska 01 Dk | Alaska Main Cargo Only | | COM7 & TSE | | |
| REVELLE Scripps Institution | | | | Northern Line | DESH-5 | Cast 6 | | North Am | North Am | Hiab(s) | | DUTW 9-11 | |
| ATLANTIS Woods Hole | (Alvin support) N/A? | Port Squirt - 0.681 No info | Stbd Squirt - CTD No info | DUTW-9-11 No info | DESH-5 Just overhauled | DESH-5 Just overhauled | | 01 Dk Cargo only | Main Dk - Sbd. No info | | | | |
| LANGSETH Lamont | NA | Allied Systems Comp. 20 April 2012 | Allied Systems | Dynacon Job # 485 | NA | DESH-5 Markey for OVI | | Hydralift Cargo Only | Hydralift Cargo Only | Effer Cargo Only | Proc 1 Feb 2011 | 32 other MCS | |
| KILO MOANA U of Hawaii | | | | Dynacon | Caley | | | MCT-2555 Cargo only | Caley | | | | Just starting |
| OCEANUS Oregon State | RFP Out | | 2013 SSSE | Dynacon 2013 SSSE | | DESH-5 Refurb | COM-15 2013 SSSE | Allied 2013 SSSE | Morgan 2013 SSSE | | Complete | | |
| ENDEAVOR U of Rhode Island | Complete | 2013 SSSE | | SMATCO 2013 SSSE | Winch 1 2013 SSSE | DUSH-5 2013 SSSE | | Aurora Cargo only | Helia 2013 SSSE | | | TSE Winch Winch Pool? | |
| NEW HORIZON Scripps Institution | Completed 9/13 | MCD 12% Comp. | | Dynacon | DUSH-6 Group buy 6/13 | DUSH-5 Group buy 6/13 | | Nautilus | | | | | |
| ATLANTIC EXPLORER Bermuda IOS | | Group buy 8/13? | | DEME | DUSH-4 Group buy 6/13 | DUSH-5 Group buy 6/13 | | HIAB New purch. | | | | TSE Winch Winch Pool? | |
| SHARP U of Delaware | Group buy 7/13 | New const w/MCD | | Trawl - Dynacon Group buy 6/13 | Trawl - Dynacon Group buy 6/13 | CTD | Bow | ? | | | | Crane Crutch | |
| POINT SUR Moss Landing | | | | Trawl | Dynacon (Port) | DUSH-5 | CUBE-6 | Forward | Aft | | | | MCD dev. removed from group buy |
| SPROUL Scripps Institution | Completed 9/13 | | | Portable | Portable | DESH-3 | Northern Line | Hiab | | | | | |
| PELICAN Louisiana UMC | Group buy 8/13? | CTD Only | | Trawl - Dynacon Group buy 6/13 | Dynacon 394 | Markey COM-7X | | Appleton Cargo Only | | | | | Designing new, lighter packages |
| WALTON SMITH U of Miami | Complete | | | Port - Hawboldt Complete | Stbd | Profiler | Port | Stbd | | | | | Hy deck socket test procedure |
| SAVANAH US of Georgia | SSSE Funds avail | SSSE Funds avail | | Trawl | COM-7H-1.5 | CO-7H 1.5 | | Palfinger | | | | | |
| BLUE HERON U of Minnesota | 2013 SSSE | | | SeaMac 220 2013 SSSE | SeaMac 210 2013 SSSE | SeaMac 310 2013 SSSE | SeaMac 305 2013 SSSE | HIAB 2013 SSSE | | | | Triaxus and SS | |
| BARNES U of Washington | | | | Rowe | Rowe | | | Alaska | | | 4 total | | |

Summary

| | | |
|-------------------------------------|-----|-----|
| Not started | 50 | 43% |
| Collection of data for NA effort | 21 | 18% |
| Funding requested (SSSE13) | 12 | 10% |
| Funds available but no contract yet | 3 | 3% |
| NA or winch mfg. developing MCD | 14 | 12% |
| Available analysis, nearly complete | 5 | 4% |
| Complete MCD | 10 | 9% |
| Total | 115 | |

MCD Status Summary



Questions, Suggestions and Concerns

- Uncertainty about the relationship of OHDDs and MCDs to each other and between systems and components.
- How to create MCDs for “minor” components.
- Testing, particularly for frames where side loading is required.
- Frequency of testing – change “two years” to coincide with CG rules for dry-docking, maybe even 5 years?
- Cost of getting winches into App. A. compliance.
- Will we be shut down next July if we don't have MCDs, etc. for equipment?

Discussion